

Product Data Sheet

Product Name: Sauvagine TFA

Cat. No.: GC62093

Chemical Properties

Cas. No.

Formula C₂₀₄H₃₄₇F₃N₅₆O₆₅S₁ M.Wt 4713.33

Solubility Water : 20 mg/mL (4.24 mM) Storage Store at -20°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

{Pry}GPPISIDLSLELLRKMIIEKQEKEKQQAANNRLLDIT-NH₂ (TFA salt)

Background

Sauvagine TFA, a 40-amino-acid neuropeptide from the skin of the frog, is a mammalian CRF agonist. Sauvagine TFA is effective at releasing ACTH from rat pituitary cells. Sauvagine TFA possesses a number of pharmacological actions on diuresis, the cardiovascular system and endocrine glands[1][2][3].

[1]. David A Lovejoy, et al. Evolution and phylogeny of the corticotropin-releasing factor (CRF) family of peptides: expansion and specialization in the vertebrates. J Chem Neuroanat. 2013 Dec;54:50-6.

[2]. P C Montecucchi, et al. Amino acid composition and sequence analysis of sauvagine, a new

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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active peptide from the skin of *Phyllomedusa sauvagei*. *Int J Pept Protein Res.* 1981 Aug;18(2):113-20.

[3]. M H Perrin, et al. Corticotropin releasing factor receptors and their ligand family. *Ann N Y Acad Sci.* 1999 Oct 20;885:312-28.

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